



ORION
HIGH PERFORMANCE CAR AUDIO

owner's manual

BP-HP10D4

BP-HP12D4

***Dual 10"/12"
Vented Subwoofer
Enclosure System***

POWERED BY HARDCORE ATTITUDE

INTRODUCTION

Thank you for your purchase of the Orion vented subwoofer enclosure system from Directed Electronics. The Orion vented subwoofer enclosure system will excite and delight the auto sound enthusiast with years of high quality audio reproduction.

Orion vented subwoofer enclosure systems are covered by a two-year limited warranty. Be sure to retain your original sales receipt, and refer to the warranty section on the back cover of this guide for full details about your coverage.

PRACTICE SAFE SOUND™



High-powered car audio systems may produce sound pressure levels that exceed the threshold at which hearing loss may result. They may also impair a driver's ability to hear traffic sounds or emergency vehicles. Use common sense and practice safe listening habits when listening to or adjusting your audio system. If your subwoofer enclosure is installed in the passenger compartment, make sure it is restrained (use straps or seat belts—not provided) from moving in case of an accident.

Your Product Information

Model Number: _____

Date of Purchase: _____

INSTALLATION

1. Place the speaker assembly in your vehicle. Common placement will normally be the trunk, back seat, or back of a van.
2. Connect each speaker to an amplifier output (not supplied), observing that the polarity markings on the back of the speaker enclosure are connected to the corresponding polarities on the amplifier.

NOTE: Do not use an amplifier that can drive the speakers beyond their specifications.

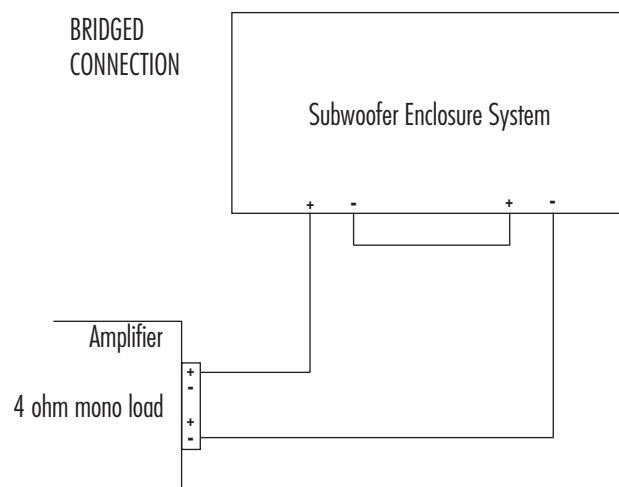
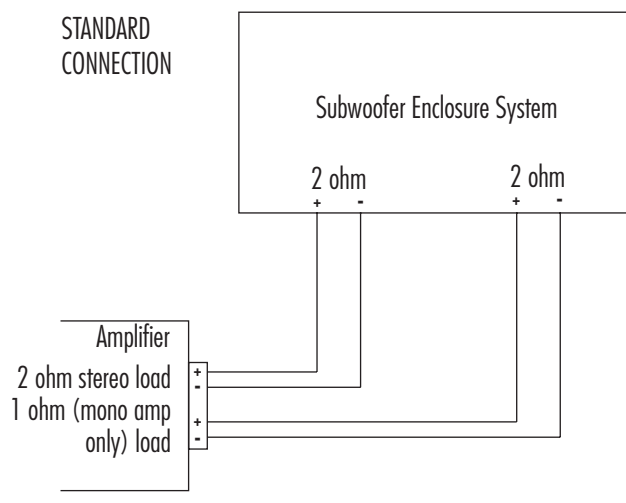
SPECIFICATIONS

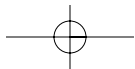
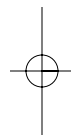
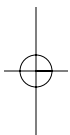
Model	BP-HP10D4	BP-HP12D4
System		
Frequency response	30Hz–250Hz	30Hz–250Hz
Power handling RMS	500 watts x 2	500 watts x 2
Power handling peak	1000 watts x 2	1000 watts x 2
Box Impedance	2 Ohms x 2	2 Ohms x 2
Efficiency (1W/1M)	89dB	91dB
Woofer size	10"	12"
Number of woofers	2	2
Enclosure type	vented	vented
Box and -3dB frequency	32, 30 Hz	35, 34 Hz
Typical output level @ full power	119 to 125dB	122 to 128dB
Depth x Width x Height	18- $\frac{1}{4}$ "x30- $\frac{1}{4}$ "x14"	21- $\frac{1}{4}$ "x32- $\frac{1}{4}$ "x14- $\frac{3}{4}$ "
Weight	93 lbs (42.2 kgs)	101 lbs (45.8 kgs)

WIRE CONNECTION GUIDE

The 2 diagrams below show a standard and bridged connection to your amplifier.

NOTE: Refer to your amplifier owner's manual before connecting the subwoofer enclosure system, especially when employing the bridge connections, as some amplifier models have different bridge output connections.





Warranty

LIMITED TWO YEAR CONSUMER WARRANTY:

Directed Electronics promises to the original purchaser, to replace this product should it prove to be defective in workmanship or material under normal use, for a period of two years from the date of purchase by the dealer as indicated by the date code marking of the product **PROVIDED** the product was installed by an authorized Directed dealer. During this two year period, there will be no charge for this replacement **PROVIDED** the unit is returned to Directed, shipping pre-paid. If the unit is installed by anyone other than an authorized Directed dealer, the warranty period will be 1 year from date of purchase by the dealer as indicated by the date code marking of the product. During this 1 year period, there will be no charge for this replacement **PROVIDED** the unit is returned to Directed, shipping pre-paid. This warranty is non-transferable and does not apply to any unit that has been modified or used in a manner contrary to its intended purpose, and does not cover damage to the unit caused by installation or removal of the unit. This warranty is void if the product has been damaged by accident or unreasonable use, neglect, improper service or other causes not arising out of defects in materials or construction. **ALL WARRANTIES INCLUDING BUT NOT LIMITED TO EXPRESS WARRANTY, IMPLIED WARRANTY, WARRANTY OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND WARRANTY OF NON-INFRINGEMENT OF INTELLECTUAL PROPERTY ARE EXPRESSLY EXCLUDED TO THE MAXIMUM EXTENT ALLOWED BY LAW, AND DIRECTED NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY LIABILITY IN CONNECTION WITH THE SALE OF THE PRODUCT. DIRECTED HAS ABSOLUTELY NO LIABILITY FOR ANY AND ALL ACTS OF THIRD PARTIES INCLUDING ITS AUTHORIZED DEALERS OR INSTALLERS.** Unit must be returned to Directed, postage pre-paid, with: consumer's name, telephone number, and address, authorized dealer's name and address, and product description. **IN ORDER FOR THIS WARRANTY TO BE VALID, YOUR UNIT MUST BE SHIPPED WITH PROOF OF INSTALLATION BY AN AUTHORIZED DIRECTED DEALER. ALL UNITS RECEIVED BY DIRECTED FOR WARRANTY REPAIR WITHOUT PROOF OF DIRECTED DEALER INSTALLATION WILL BE COVERED BY THE LIMITED 1 YEAR PARTS AND LABOR WARRANTY.** Note: This warranty does not cover labor costs for the removal and reinstallation of the unit.

BY PURCHASING THIS PRODUCT, THE CONSUMER AGREES AND CONSENTS THAT ALL DISPUTES BETWEEN THE CONSUMER AND DIRECTED SHALL BE RESOLVED IN ACCORDANCE WITH CALIFORNIA LAWS IN SAN DIEGO COUNTY, CALIFORNIA.

